

Title (en)

TRANSPARENT AND TRANSLUCENT LIQUID FILLED CANDY; SUGAR-FREE LIQUID EDIBLE COMPOSITION

Title (de)

TRANSPARENTE ODER TRANSLUZENTE, FLÜSSIGKEITSGEFÜLLTE BONBONS; FLÜSSIGE ESSBARE ZUSAMMENSETZUNG

Title (fr)

BONBON REMPLI DE LIQUIDE TRANSPARENT ET TRANSLUCIDE; COMPOSITION COMESTIBLE LIQUIDE SANS SUCRE

Publication

EP 3009004 A1 20160420 (EN)

Application

EP 15180352 A 20140327

Priority

- US 201361806609 P 20130329
- EP 14719595 A 20140327
- US 2014031946 W 20140327

Abstract (en)

The present invention provides a sugar-free liquid edible composition wherein the sugar-free liquid edible composition is a water-in-oil emulsion comprising i) a sugar polyol comprising xylitol, ii) glycerin, and iii) an emulsifier wherein the emulsifier is a glycerin based emulsifier, a polyglycerol based emulsifier, or a combination thereof; wherein the weight ratio of sugar polyol : glycerin is 1 : 1 to 4 : 1.

IPC 8 full level

A23G 1/54 (2006.01); **A23G 3/38** (2006.01); **A23G 3/40** (2006.01); **A23G 3/54** (2006.01); **A23G 4/20** (2006.01); **A61K 9/00** (2006.01)

CPC (source: EP US)

A23G 1/54 (2013.01 - EP US); **A23G 3/38** (2013.01 - US); **A23G 3/40** (2013.01 - US); **A23G 3/54** (2013.01 - EP US); **A23G 3/545** (2013.01 - US); **A23G 4/20** (2013.01 - US); **A61K 9/0056** (2013.01 - US); **A23V 2002/00** (2013.01 - US)

Citation (applicant)

- US 7189760 B2 20070313 - ERMAN MARK B [US], et al
- WO 2006125334 A1 20061130 - GIVAUDAN SA [CH], et al
- US 6592884 B2 20030715 - HOFMANN THOMAS [DE], et al
- US 4230688 A 19801028 - ROWSELL DAVID G, et al
- US 4032661 A 19770628 - ROWSELL DAVID G, et al
- US 4459425 A 19840710 - AMANO AKIRA [JP], et al
- US 4178459 A 19791211 - ROWSELL DAVID G [GB], et al
- US 4296255 A 19811020 - ROSWELL DAVID G, et al
- US 4136163 A 19790123 - WATSON HUGH R, et al
- US 5009893 A 19910423 - CHERUKURI SUBRAMAN R [US], et al
- US 5266592 A 19931130 - GRUB HELMUT [DE], et al
- US 5698181 A 19971216 - LUO SHIUH J [US]
- US 6277385 B1 20010821 - LUKE WILLIAM MICHAEL [US]
- US 6627233 B1 20030930 - WOLF FRED R [US], et al
- US 7030273 B1 20060418 - SUN HONG [US]
- US 2005222256 A1 20051006 - ERMAN MARK B [US], et al
- US 2005265930 A1 20051201 - ERMAN MARK B [US], et al
- US 4619834 A 19861028 - ZANNO PAUL R [US], et al
- US 3492131 A 19700127 - SCHLATTER JAMES M
- WO 2011010723 A1 20110127 - CADBURY JAPAN LTD [JP], et al
- "Kirk-Othmer Encyclopedia of Chemical Technology", vol. 1, pages: 492 - 494

Citation (search report)

- [XY] EP 0696449 A2 19960214 - COLGATE PALMOLIVE CO [US]
- [XY] US 2006051456 A1 20060309 - KABSE KISHOR [US], et al
- [XY] US 2003026826 A1 20030206 - CHERUKURI SUBRAMAN RAO [US], et al
- [XY] US 4975287 A 19901204 - ZIBELL STEVEN E [US], et al
- [XII] US 2007031561 A1 20070208 - LAKKIS JAMILEH [US], et al
- [XDY] US 6627233 B1 20030930 - WOLF FRED R [US], et al
- [XY] US 4861600 A 19890829 - CHISARI PAUL R [US], et al
- [XY] WO 2012133757 A1 20121004 - NIHON KRAFT FOODS LTD [JP], et al
- [XY] WO 9206943 A1 19920430 - XYROFIN OY [FI]
- [XY] WO 9517829 A1 19950706 - WRIGLEY W M JUN CO [US]
- [Y] EP 2457449 A1 20120530 - NIHON KRAFT FOODS LTD [JP]
- [Y] US 5425957 A 19950620 - GAIM-MARSONER GUNTHER [CH], et al
- [Y] EP 0393327 A2 19901024 - LOTTE CO LTD [JP]
- [A] US 2004101615 A1 20040527 - BARKER DAWN [GB], et al
- [A] US 2009092565 A1 20090409 - KOYAMA TAKAAKI [JP], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2014160823 A2 20141002; WO 2014160823 A3 20150305; BR 112015020556 A2 20170718; BR 122016000483 A2 20180619; CN 105050417 A 20151111; CN 105050417 B 20180529; CN 105265704 A 20160127; CN 105265704 B 20190322; EP 2941131 A2 20151111; EP 2941131 B1 20190529; EP 3009004 A1 20160420; EP 3009004 B1 20190619; ES 2742040 T3 20200212; ES 2744464 T3 20200225; JP 2016502863 A 20160201; JP 6069522 B2 20170201; MX 2015013520 A 20160205; MX 369928 B 20191126; PL 2941131 T3 20200331; PL 3009004 T3 20200331; RU 2015134216 A 20170511; RU 2015135883 A 20181225; RU 2015135883 A3 20181225; US 10278408 B2 20190507; US 2016000114 A1 20160107; US 2016029658 A1 20160204

DOCDB simple family (application)

US 2014031946 W 20140327; BR 112015020556 A 20140327; BR 122016000483 A 20140327; CN 201480016579 A 20140327;
CN 201510714028 A 20140327; EP 14719595 A 20140327; EP 15180352 A 20140327; ES 14719595 T 20140327; ES 15180352 T 20140327;
JP 2015551884 A 20140327; MX 2015013520 A 20140327; PL 14719595 T 20140327; PL 15180352 T 20140327; RU 2015134216 A 20140327;
RU 2015135883 A 20140327; US 201414774411 A 20140327; US 201514851045 A 20150911